MCj03970440000[1]**LABORATORY REPORT MARKING SCHEME**

**NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /20 C /17 T/I**

**Abstract [5 marks C]**

* Purpose of lab mentioned
* Method used briefly mentioned
* Key findings/results highlighted
* Major conclusions mentioned
* No more than ~ 200 words

**Introduction [5 marks T/I]**

* Relevant background information
* Detailed purpose for completing experiment
* Hypothesis in the form if…then…because
* Independent and dependent variables clearly identified in hypothesis
* Scientific reasoning supporting hypothesis provided

**Methods & Materials [5 marks C]**

* In writer’s own words
* Detailed and specific quantities listed
* Paragraph structure
* Explained what was actually done
* Detailed enough someone else could follow it
* Safety procedures mentioned

**Results [6 marks C]**

* Graphs & tables included
* Graphs & tables with appropriate titles and labels – clear & detailed
* Written description of results
* Sample calculations included

**Discussion [8 marks T/I]**

Discuss the following points in the order shown:

* Explain your results in terms of relevant theory.
* Relate your results to your purpose and hypothesis.
* Compare your results with those expected (compare to your prediction/hypothesis). How can you account for differences? Be specific.
* Compare your results to similar investigations. Compare to classmates and discuss anomalies.
* Analyze experimental error. DO NOT use human error – you are not incompetent. Was the error avoidable? Was it a result of the equipment? If there are flaws in the experimental design, how can the design be improved?

**Conclusion [4 marks T/I]**

* Re-stated the purpose of the experiment
* Briefly outlined major results
* Related results to purpose
* Short and to the point

**General [4 marks C]**

* Report is typed
* 1.5 line spacing
* Pages are numbered
* Past tense used (except when discussing theory)
* Direct and to the point
* Spelling and grammar is **excellent**
* Any references used are done using APA formatting and in-text citation